

NASA TECH BRIEF

Marshall Space Flight Center

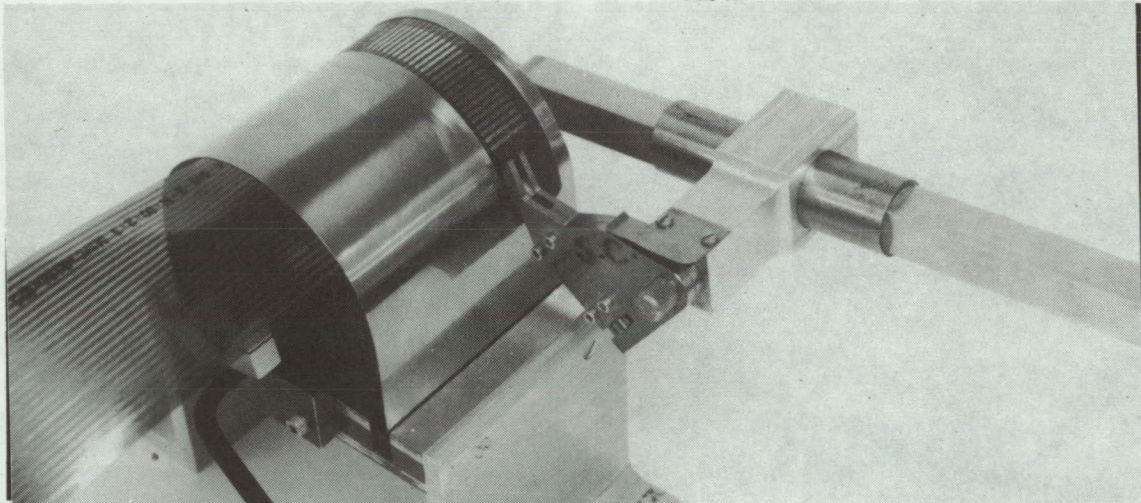


NASA Tech Briefs announce new technology derived from the U.S. space program. They are issued to encourage commercial application. Tech Briefs are available on a subscription basis from the National Technical Information Service, Springfield, Virginia 22151. Requests for individual copies or questions relating to the Tech Brief program may be directed to the Technology Utilization Office, NASA, Code KT, Washington, D.C. 20546.

Rotary Stripper for Shielded and Unshielded FCC

A bench-type tool (see fig.) may be used for stripping shielded and unshielded flat conductor cables. Unshielded cables can be stripped on both sides with a single stroke; shielded cables must

unshielded cables, one blade adjustment is required. In this case, after each rotation the blade is moved horizontally one blade width. If the opening in the cable retainer is not as wide as the desired cable



be stripped in steps of different depths to leave the shields clear for grounding and the conductors clear for terminating. Stripping must be performed in such a way as to prevent electrical continuity or arcing between the shields and conductors when the cable is terminated with a plug. The rotary stripper will remove narrow strips of insulation and shielding to any desired depth. By successive rotations of the blade, the tool removes any required width of outer insulation, shield, and inner insulation.

After the end of the cable is trimmed square, the cable is placed between the tool cylinder and retainer, the trimmed end flush with the cylinder end. The cam is rotated until the cable is held firmly in position, and the blade is adjusted to shield or conductor depth, depending on the cable type. The blade is then rotated across the cable. For stripping

exposure width, the cable can be moved to the right, using the left stripped margin and the right side of the opening for alignment.

Note:

Requests for further information may be directed to:

Technology Utilization Officer
Code A&TS-TU
Marshall Space Flight Center
Huntsville, Alabama 35812
Reference: B71-10465

Patent status:

No patent action is contemplated by NASA.

Source: W. Angele and C. M. Chambers
Marshall Space Flight Center
(MFS-20119)
Category 08